

CHAPTER 17

SUITABLE SINGLE-POINT RIGGING PROCEDURES FOR HOWITZERS

17-1. Introduction

This chapter contains rigging procedures for single-point lift of howitzers that are suitable for sling load. Each rigging procedure is found in a paragraph that includes a description of the load, materials required for rigging, and steps to complete the procedure. An applicability paragraph is also a part of each paragraph and identifies the suitable loads. The suitable single-point rigging proce-

dures for howitzers are in this section. Paragraph 17-2 gives detailed instructions for rigging the load.

NOTE: Reach Pendants may be used on all single point loads. A static discharge person is not required when using a Reach Pendant.

17-2. M114A1 155-MM Howitzer with or without Accompanying Load

a. Applicability. The following items in Table 17-1 are suitable for sling load by all **ARMY** helicopters with suitable lift capacity:

Table 17-1. M114A1 155-MM Howitzer with or without Accompanying Load

NOMENCLATURE	MAX WEIGHT (POUNDS)	SLING SET	LINK COUNT FRONT/REAR	RECOMMENDED AIRSPEED (KNOTS)
Howitzer, Towed, 155-MM, M114A1	12,660	25K	53/3	90
Howitzer, Towed, 155-MM, M114A1 with Accompanying Load	15,160	25K	53/3	85

b. Materials. The following materials are required to rig this load:

- (1) Sling set (25,000-pound capacity).
- (2) Tape, adhesive, pressure-sensitive, 2-inch wide roll.
- (3) Cord, nylon, Type III, 550-pound breaking strength.
- (4) Webbing, cotton, 1/4-inch, 80-pound breaking strength.
- (5) Tie-down strap, cargo, CGU-1/B (as required).
- (6) Clevis assembly, large, MS 70087-3.

(7) Bag, cargo, A-22 or cargo net.

(8) Sling leg assembly from a 10,000 or 25,000-pound capacity sling set.

c. Personnel. Two persons can prepare and rig this load in 35 minutes.

d. Procedures. The following procedures apply to this load:

(1) Preparation. Prepare the load using the following steps:

(a) Stow all howitzer equipment, including sights, in the proper place except for the spade key.

(b) Stow the spade key in the section chest. Secure all equipment with tape or Type III nylon cord.

(c) Secure the section chest on the rear of the trails by routing the tie-down strap through the handles of the chest and both trail lifting handles. Secure the excess strap.

(d) Secure the spades to the brackets with Type III nylon cord. Secure all cables and hoses to the sides of the trails with tape or Type III nylon cord.

(e) Secure the trail latching handle in the closed position with Type III nylon cord and insert the trail locking pin.

(f) Engage one hand brake.

(g) Place the left ballistic shield in the raised position.

(h) Remove or secure all gun covers.

(2) **Rigging.** Rig the load according to the steps in Figure 17-1.

(3) **Hookup.** The hookup team stands on the trails near the breech. The static wand person discharges the static electricity with the static wand. The hookup person places the apex fitting onto the aircraft cargo hook. The hookup team then moves clear of the load but remains close to the load as the helicopter removes slack from the sling legs. When successful hookup is assured, the hookup team quickly exits the area underneath the helicopter to the designated rendezvous point.

(4) **Derigging.** Derigging is the reverse of the preparation and rigging procedures in steps d (1) and d (2).

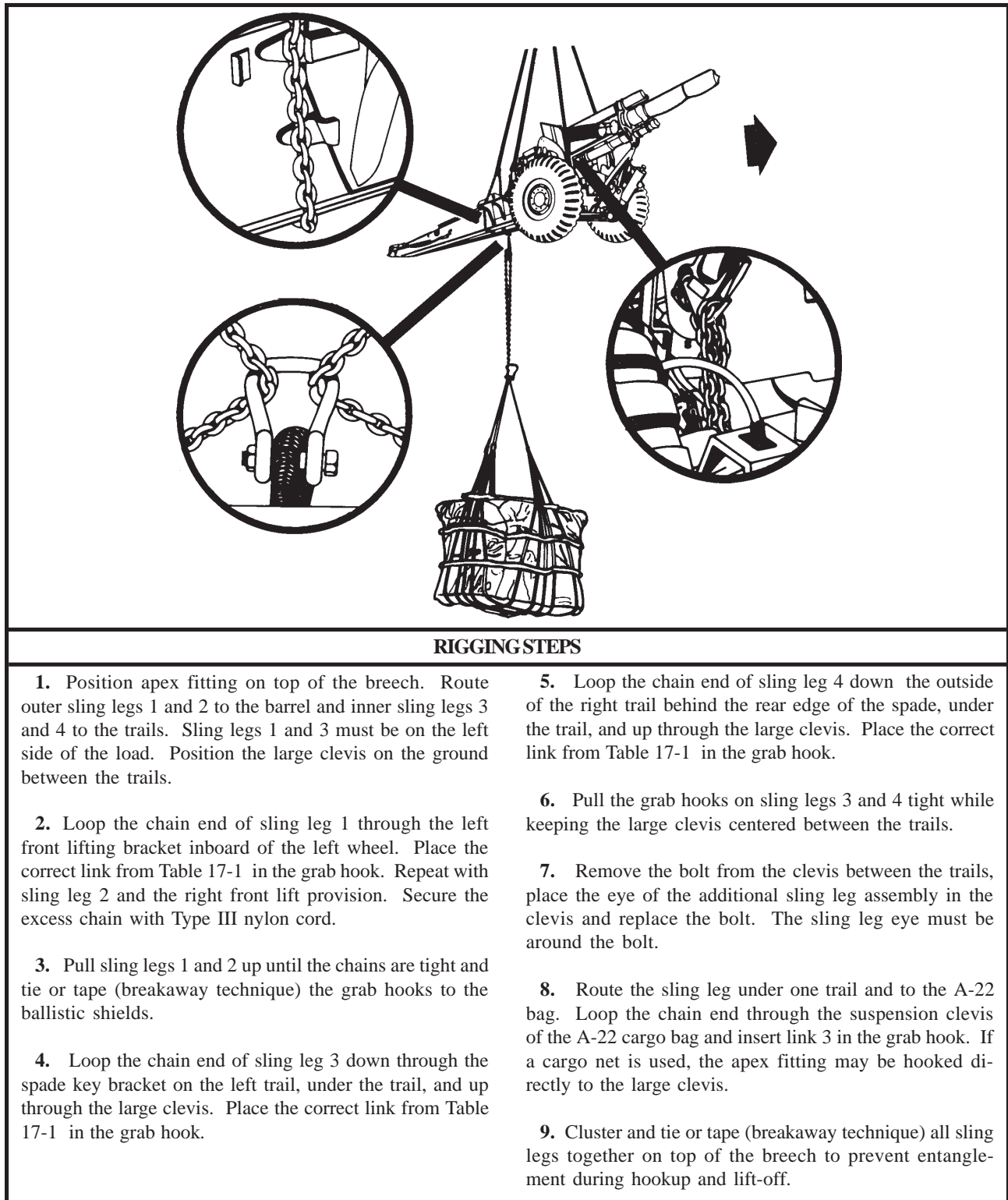


Figure 17-1. M114A1 155-MM Howitzer with or without Accompanying Load